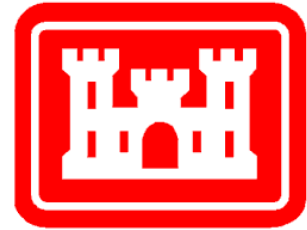# Access to Water (A2W) Resources Data Corps Water Management System (CWMS) Data Dissemination Quick Reference Guide

Introduction

This quick reference guide provides step-by-step instructions on how to access the Access to Water (A2W) Resources Data Corps Water Management System (CWMS) Data Dissemination tool. The A2W CWMS tool is a secure web-based tool used to assist the United States Army Corps of Engineers (USACE) in managing storage information across the nation, through the use of visualizations to include an interactive map and reporting functions.
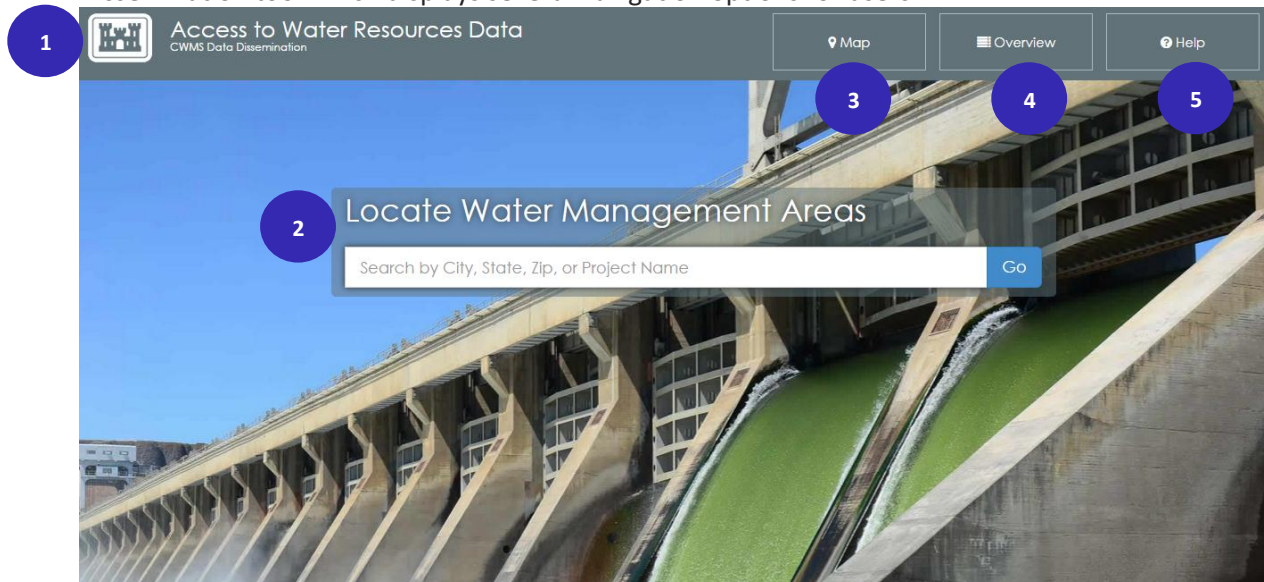
Getting Started

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1. Open internet browser and enter the following URL into the address bar:
   water.usace.army.mil
   Hit *Enter* on your keyboard

Landing Page

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2. The user will be directed to the landing page of the Access to Water Resources Data CWMS Dissemination tool which displays several navigation options for users

UNITED STATES ARMY CORPS OF ENGINEERS

The United States Army Corps of Engineers (USACE) is responsible for operating and maintaining more than 700 lock and dam projects nationwide. The Access to Water Resources Data - Corps Water Management System (CWMS) Data Dissemination tool supports the USACE water control management mission by utilizing visualizations and reports to provide continuous assessment, awareness, and effective decision support of lock and dam projects, which in turn reduces risks to people, property, and the environment.

⌄

6   Mapping ⌄

Indicators to visually identify the location of lock and dam projects nationwide.

7   Overview ⌄

A listed view for a more informative description of lock and dam projects nationwide.

1 — Use the castle logo to navigate back to the landing page at any time

2 — Allows search by city, state, project name or zip code. System will navigate to map page and display location based on search criteria

3 — Navigates to map page (See: Map Page)

4 — Navigates to Overview page specifically for users with low bandwidth/slow internet connection (See: Overview Page)

5 — Provides frequently asked questions pertaining to the tool (See: Help Page)
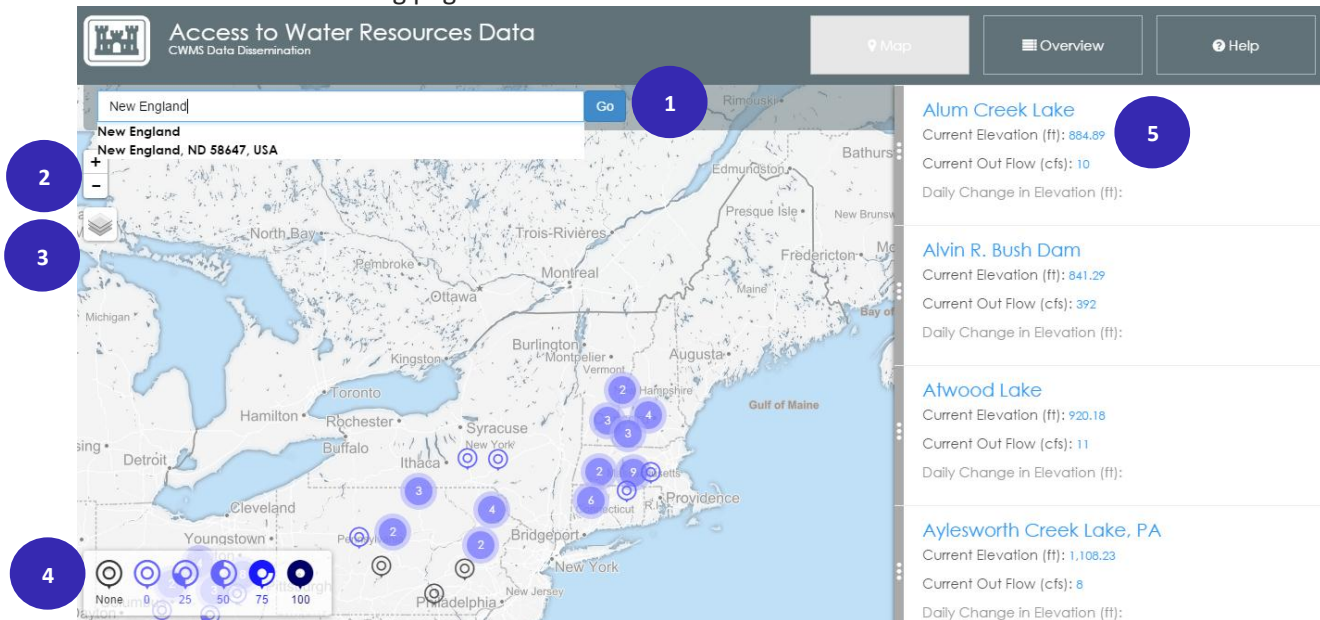
6 — Informational icon – provides an overview of what to expect in the application for the mapping features

7 — Informational icon – provides an overview of what to expect in the application for the overview features

Map Page

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3. To access the Map page, click the Map button from the landing page OR enter search criteria into the search bar from the landing page

1	Allows search by city, state, project name or zip code

2	Use the +/- buttons to zoom in and zoom out of the map

3	Use the layers buttons to activate data layers within the map

4	Legend reflects flood storage capacity in increments of 25%

5	Displays the project name, current elevation, flow, and daily change in elevation. Click on a project to generate the Dam Profile Chart, Location Metadata Chart, and Time Series Chart (See: Location Details)

Location Details

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4. To generate the Dam Profile Chart, Location Metadata Chart, and Time Series Chart, click on a specific location in the side bar OR click on a specific location from the Overview page
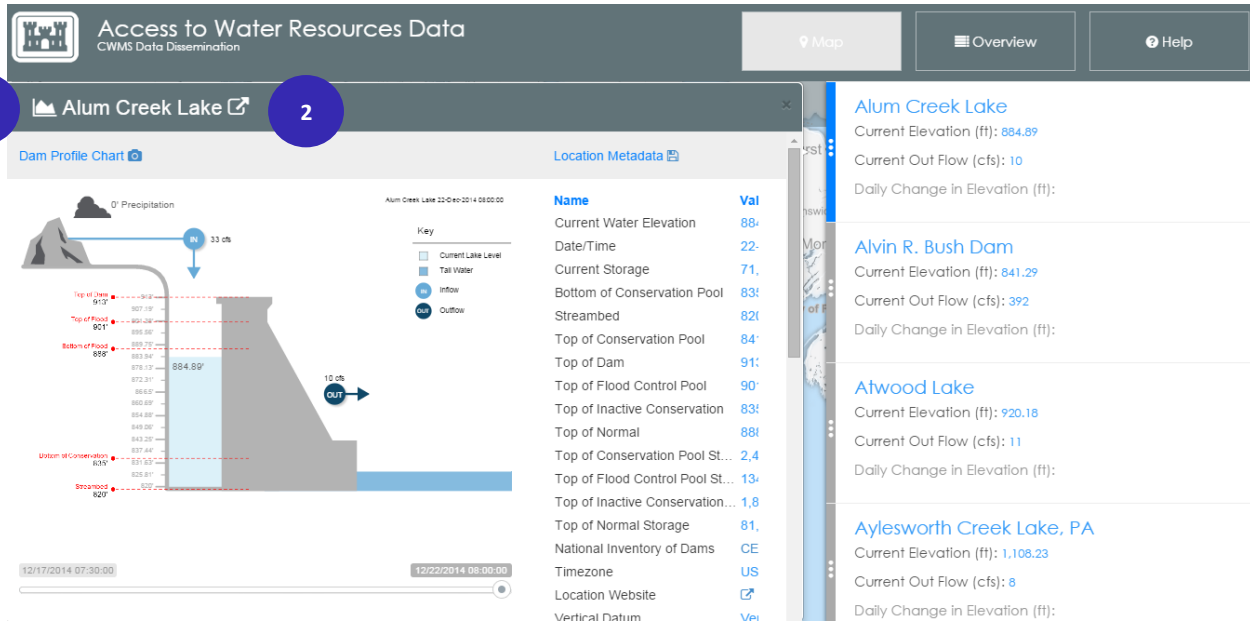
The Dam Profile Chart, Location Metadata Chart, and Time Series Chart are provided for each location. The user has the ability to download and save each chart. Details provided below.

Associated to the right of the location title is the location link. Clicking the location link will navigate to a separate website that provides details about that location. Note: Not all locations have separate websites, therefore the link will display only for applicable locations that have them.

Dam Profile Chart

Dam Profile Chart 📷

0' Precipitation

Alum Creek Lake 22-Dec-2014 08:00:00

IN 33 cfs

Top of Dam 913'
913'
907.19'
Top of Flood 901'
901.38'
895.56'
Bottom of Flood 888'
889.75'
883.94'
884.89'
878.13'
872.31'
866.5'
860.69'
854.88'
849.06'
843.25'
837.44'
Bottom of Conservation 835'
831.63'
825.81'
Streambed 820'
820'

10 cfs
OUT

Key
- ☐ Current Lake Level
- ■ Tail Water
- (IN) Inflow
- (OUT) Outflow
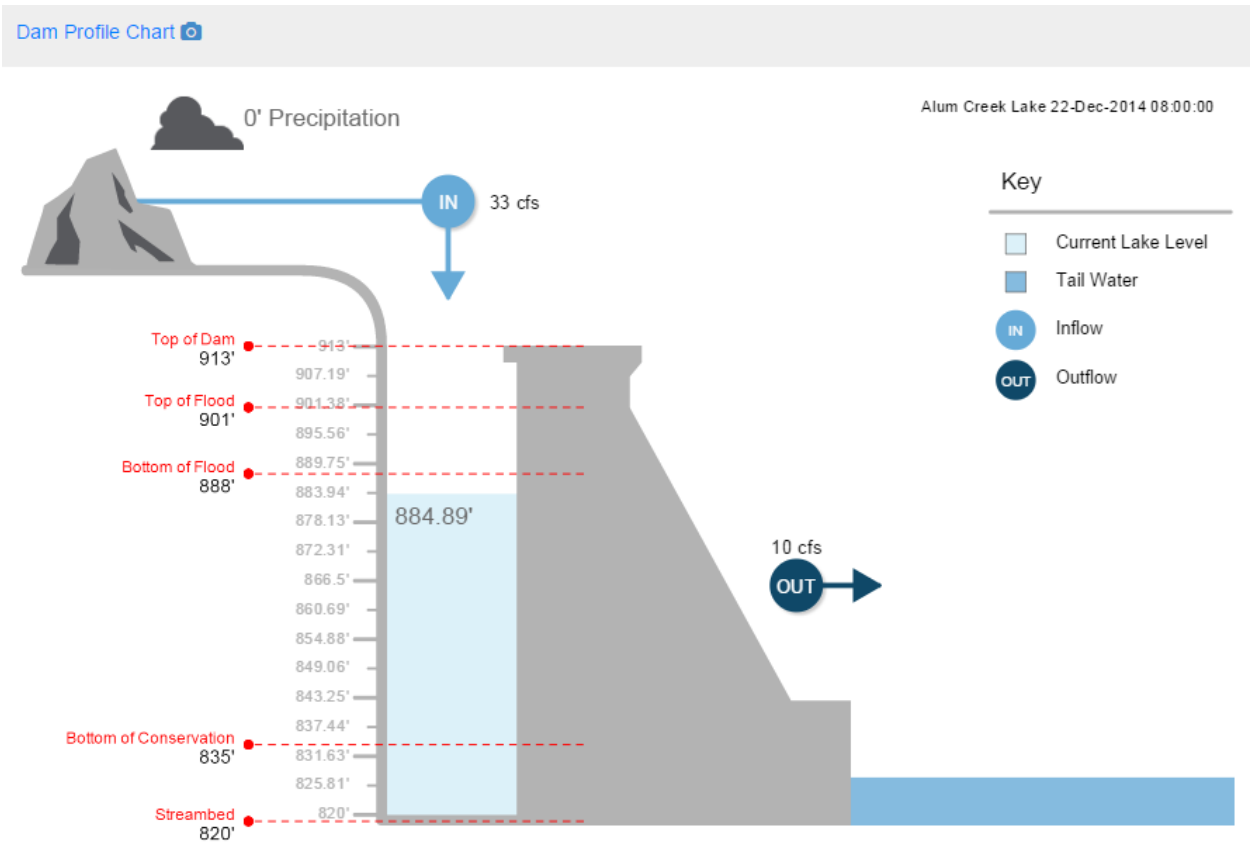
Location Metadata Chart

Location Metadata 💾

| Name	Value
Current Water Elevation	535.41 ft
Date/Time	30-Jan-2015 14:00 GMT
Design Capacity	577.50 ft
Spillway Crest	564.50 ft
Streambed	478.00 ft
Top of Conservation Pool	537.50 ft
Top of Dam	582.50 ft
Top of Flood Control Pool	556.00 ft
Top of Inactive Conservation	523.00 ft
Current Project Conservation Storage	38,430 ac-ft
Current Project Flood Storage	38,430 ac-ft
Owner	CESWF
Timezone	US/Central
Vertical Datum	Vertical datum not chosen

Time Series Chart

Map Hovering

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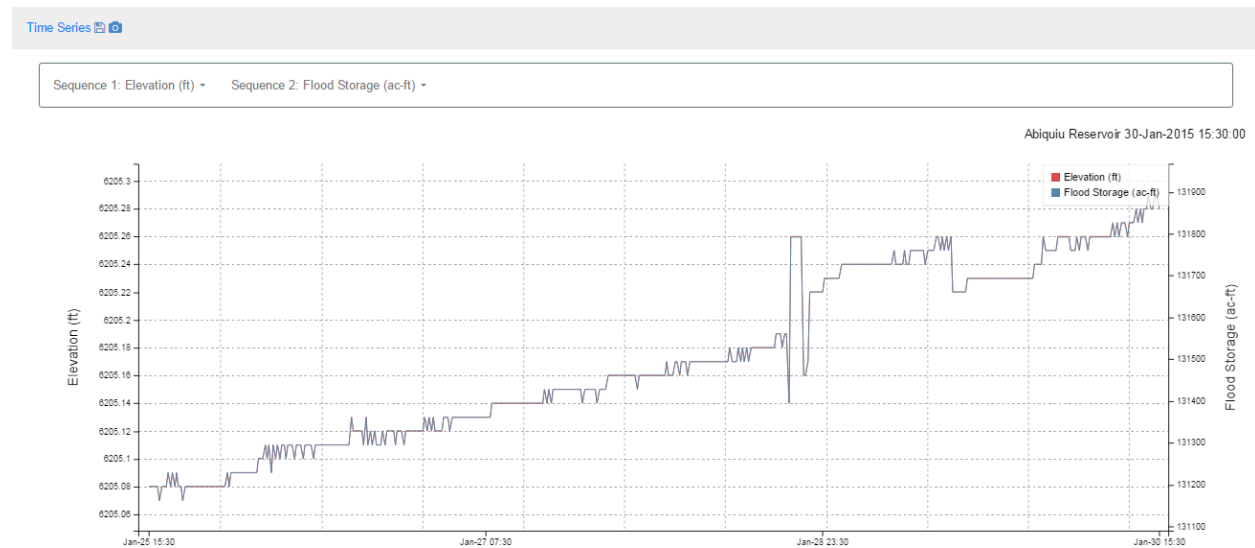
5. The user will have the ability to hover over locations on the map both for individual locations and clustered locations in the same area
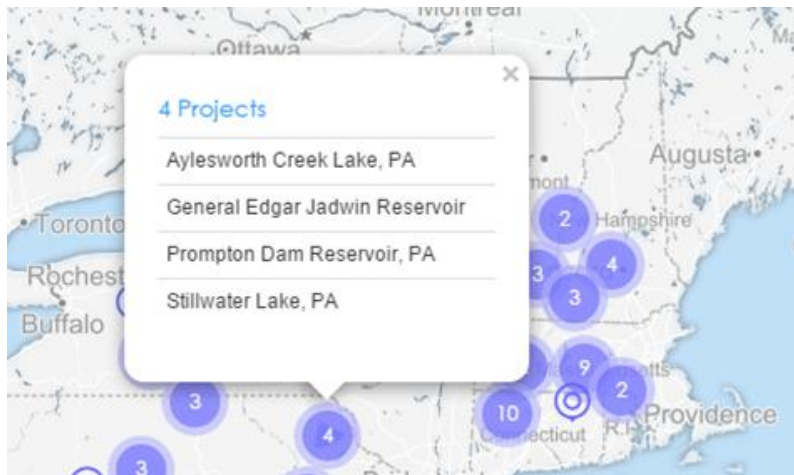
   Hovering of Location
   When the user mouses over a location an information box appears detailing the project name, storage, flow, precipitation, and elevation
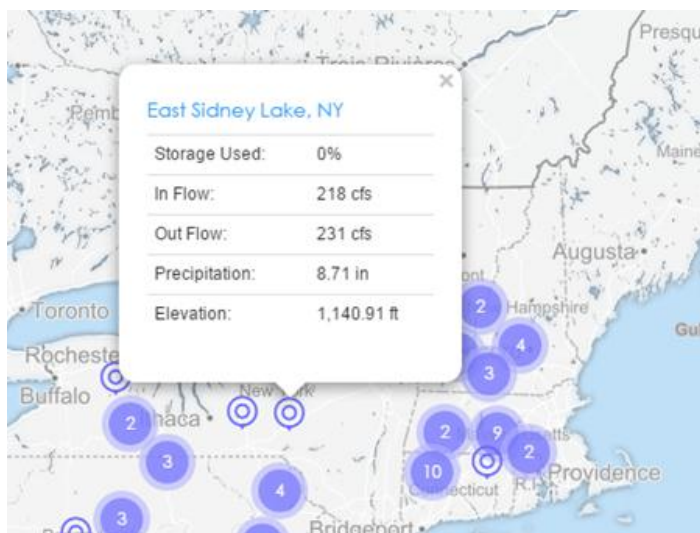
Hovering of Cluster of Locations

When the user mouses over a cluster of locations an information box appears detailing the number of projects and the project names within that cluster

Overview Page

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6. The Overview page is a simplified way of providing detailed project information without the need of generating the map. The Overview page is specifically for users with low bandwidth or slow internet connection
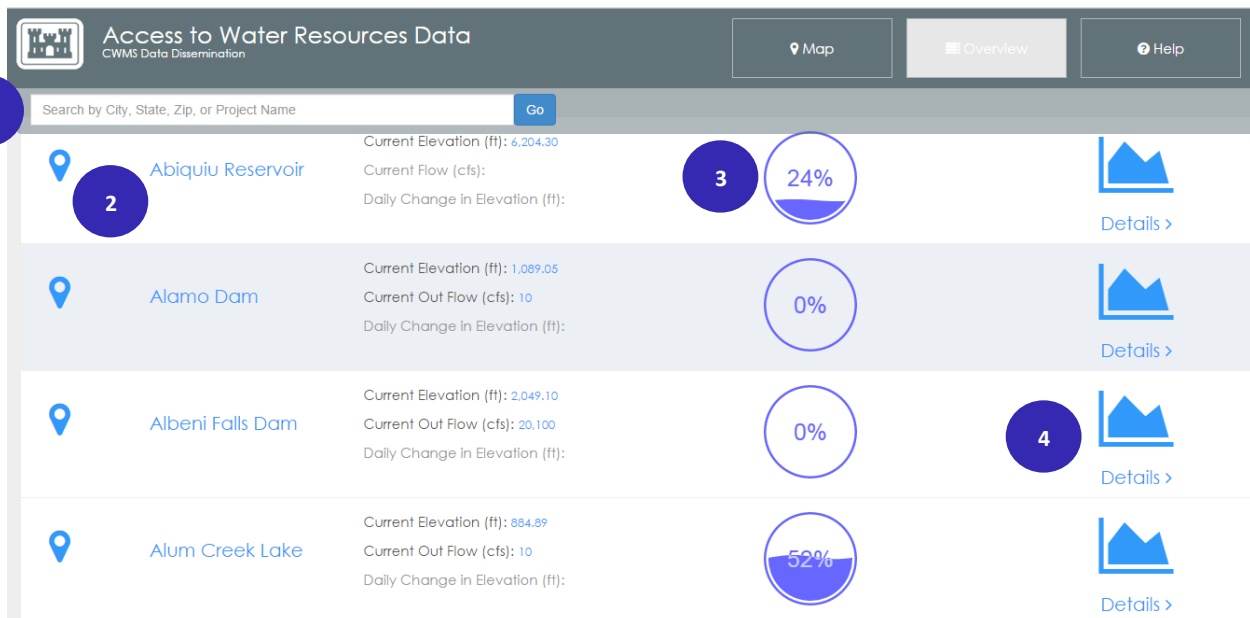
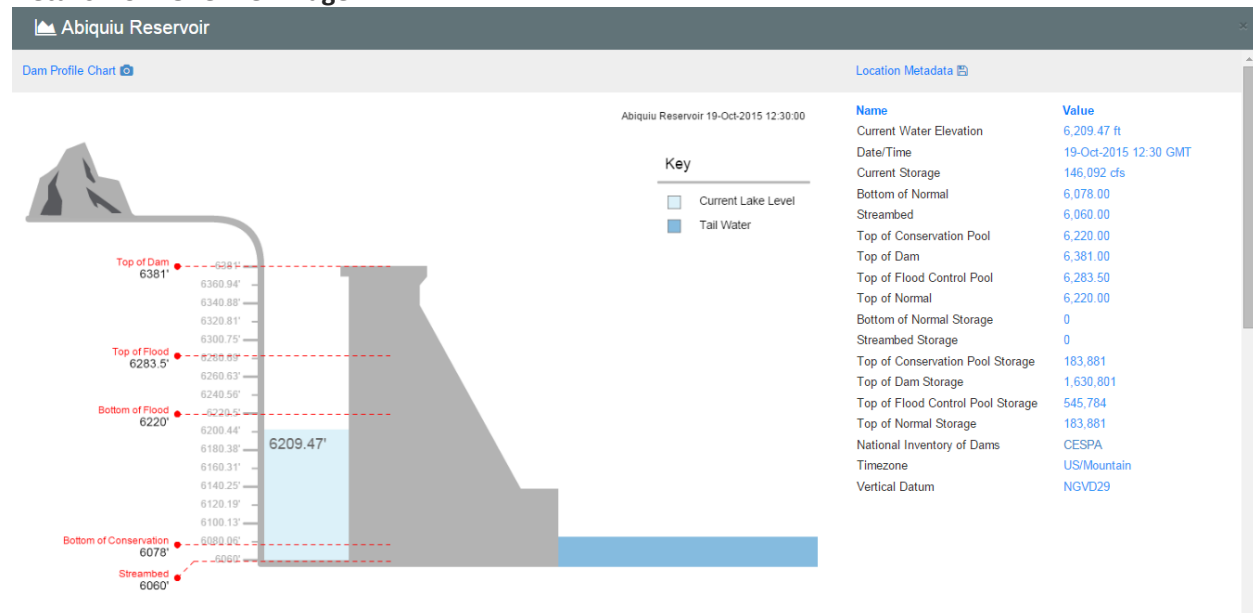| 1 | Allows search by city, state, project name or zip code |
2	Details the project name, current elevation, current flow, and daily change in elevation
3	Liquid fill gauge displays the current storage level
4	Clicking "Details" generates the Dam Profile Chart, Metadata Chart and Time Series Chart (See: Details from Overview Page)

Details from Overview Page

Abiquiu Reservoir

Dam Profile Chart 📷

Location Metadata 💾

Abiquiu Reservoir 19-Oct-2015 12:30:00

Key
- ☐ Current Lake Level
- ■ Tail Water

Top of Dam 6381'
6281'
6360.94'
6340.88'
6320.81'
6300.75'
Top of Flood 6283.5'
6280.69'
6260.63'
6240.56'
Bottom of Flood 6220'
6220.5'
6200.44'
6180.38'   6209.47'
6160.31'
6140.25'
6120.19'
6100.13'
Bottom of Conservation 6078'
6080.06'
6060'
Streambed 6060'

Name	Value
Current Water Elevation	6,209.47 ft
Date/Time	19-Oct-2015 12:30 GMT
Current Storage	146,092 cfs
Bottom of Normal	6,078.00
Streambed	6,060.00
Top of Conservation Pool	6,220.00
Top of Dam	6,381.00
Top of Flood Control Pool	6,283.50
Top of Normal	6,220.00
Bottom of Normal Storage	0
Streambed Storage	0
Top of Conservation Pool Storage	183,881
Top of Dam Storage	1,630,801
Top of Flood Control Pool Storage	545,784
Top of Normal Storage	183,881
National Inventory of Dams	CESPA
Timezone	US/Mountain
Vertical Datum	NGVD29

Help Page

7. Provides frequently asked questions pertaining to the tool.